



# INDUCTION MOTOR DATA SHEET

55 kW 4 P 225S

MODEL:		CUSTOMER :		COIL SPEC NO.:		REV. NO : 0	
APPLICATION:		PROJECT NAME:			QUANTITY : SETS		
GENERAL DATA				PERFORMANCE DATA			
FRAME NO.		225S		OUTPUT		55 kW	
ENCLOSURE		<input type="checkbox"/> DRIP PROOF		POLES		4 POLES	
		<input checked="" type="checkbox"/> TOTALLY ENCLOSED		ROTOR TYPE		SQUIRREL CAGE	
		<input type="checkbox"/> Increased Safety Exp.-proof		STARTING METHOD		<input type="checkbox"/> D.O.L <input checked="" type="checkbox"/> Y-	
PROTECTION		IP 55				<input type="checkbox"/> REACTOR ( %TAP) <input type="checkbox"/> V.V.V.F	
METHODS OF COOLING		<input type="checkbox"/> SC <input checked="" type="checkbox"/> FC <input type="checkbox"/>		RATED VOLTAGE		<input type="checkbox"/> VECTOR-DRIVE	
PHASE		3 PHASE				220 V 380 V	
SERVICE FACTOR		1.15		FREQUENCY		60 Hz	
INSULATION CLASS		F CLASS		CURRENT			
TEMP. RISE AT FULL LOAD (at S.F 1.0)				NO LOAD		A A	
				FULL LOAD		183.7 A 106.4 A	
				STARTING		1194.0 A 691.3 A	
LOCATION		<input checked="" type="checkbox"/> INDOOR <input type="checkbox"/> OUTDOOR		EFFICIENCY			
ALTITUDE		1000 m		AT 1/2 LOAD		% %	
HUMIDITY		80 %		AT 3/4 LOAD		% %	
AMBIENT TEMPERATURE		-10-40		AT FULL LOAD		94.1 %	
RATING		<input checked="" type="checkbox"/> CONT. <input type="checkbox"/> %ED		POWER FACTOR			
NEMA DESIGN		B		AT 1/2 LOAD		% %	
MOUNTING		<input checked="" type="checkbox"/> B3 <input type="checkbox"/> B5 <input type="checkbox"/> V1 <input type="checkbox"/> B3B5		AT 3/4 LOAD		% %	
BEARING	TYPE	BALL / BALL		AT FULL LOAD		83.5 %	
	DEW-DE	6315C3 / 6312ZZC3		SPEED (AT FULL LOAD)			
	LUBRICANT	GREASE		1770 rpm			
COUPLING METHOD		<input checked="" type="checkbox"/> DIRECT <input type="checkbox"/> V-BELT		FULL LOAD		30.3 kg-m 100%	
ROTATION(Facing Drive End)		<input type="checkbox"/> CW <input checked="" type="checkbox"/> CCW		LOCKED ROTOR		45.4 kg-m 150%	
SHAFT		EXTENSION		SINGLE		NOISE LEVEL	
		EXTERNAL THRUST		-		86.0 dB(A)	
TERMINAL BOX		MAIN		<input checked="" type="checkbox"/> STEEL <input type="checkbox"/> AL <input type="checkbox"/> CAST		ALLOWABLE LOAD GD <sup>2</sup> REFERRED TO MOTOR SHAFT	
		AUX.		<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		(AT DIRECT ON-LINE)	
		BOX LOCATION		LEFT (Viewed from Drive end)		143.0 kg-m <sup>2</sup>	
APPLICATION STANDARDS		KS.IEC		MOTOR GD <sup>2</sup>		2.6864 kg-m <sup>2</sup>	
				MOTOR APPROX. WEIGHT		400 kg	
				PAINTING		MUNSELL NO.	
						5PB 2.5/8.0	
				THICKNESS		<input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> μm	
ACCESSORIES (OPTIONAL)				SUBMITTAL DRAWINGS			
TEMPERATURE DETECTOR				OUTLINE DIMENSION		DW-KMH-75HK1	
WINDING				SPEED-TORQUE CURVE		ST-KMH-75HK1	
				TERMINAL BOX DIMENSION		TB-KMH-75HK1	
BEARING							
SPACE HEATER							
RATING							
NOTE				REMARKS			
1. THESE DATA ARE ONLY DESIGN VALUES AND SHALL BE GUARANTEED WITH TOLERANCE OF APPLICATION STANDARDS.				1. ABOVE ALL DATA ARE CALCULATED AT 100% VOLTAGE.			
2. OTHERS NOT MENTIONED IN THIS SHEET SHALL BE IN ACCORDANCE WITH HIGEN MOTOR STANDARD.				2. HIGH EFFICIENCY MOTOR.			
TE : TOTALLY ENCLOSED DP : DRIP PROOF				DATE		PREPARED	CHECKED
FC : FAN COOLED SC : SELF COOLED				2015-05-04		D.L.KIM	S.S.YUN
						APPROVED	T.I.PARK